

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080522\  
 Data File : BF129613.D  
 Acq On : 05 Aug 2022 22:24  
 Operator : CG\JU  
 Sample : N3961-20  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-186

Quant Time: Aug 08 02:03:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 16:27:34 2022  
 Response via : Initial Calibration

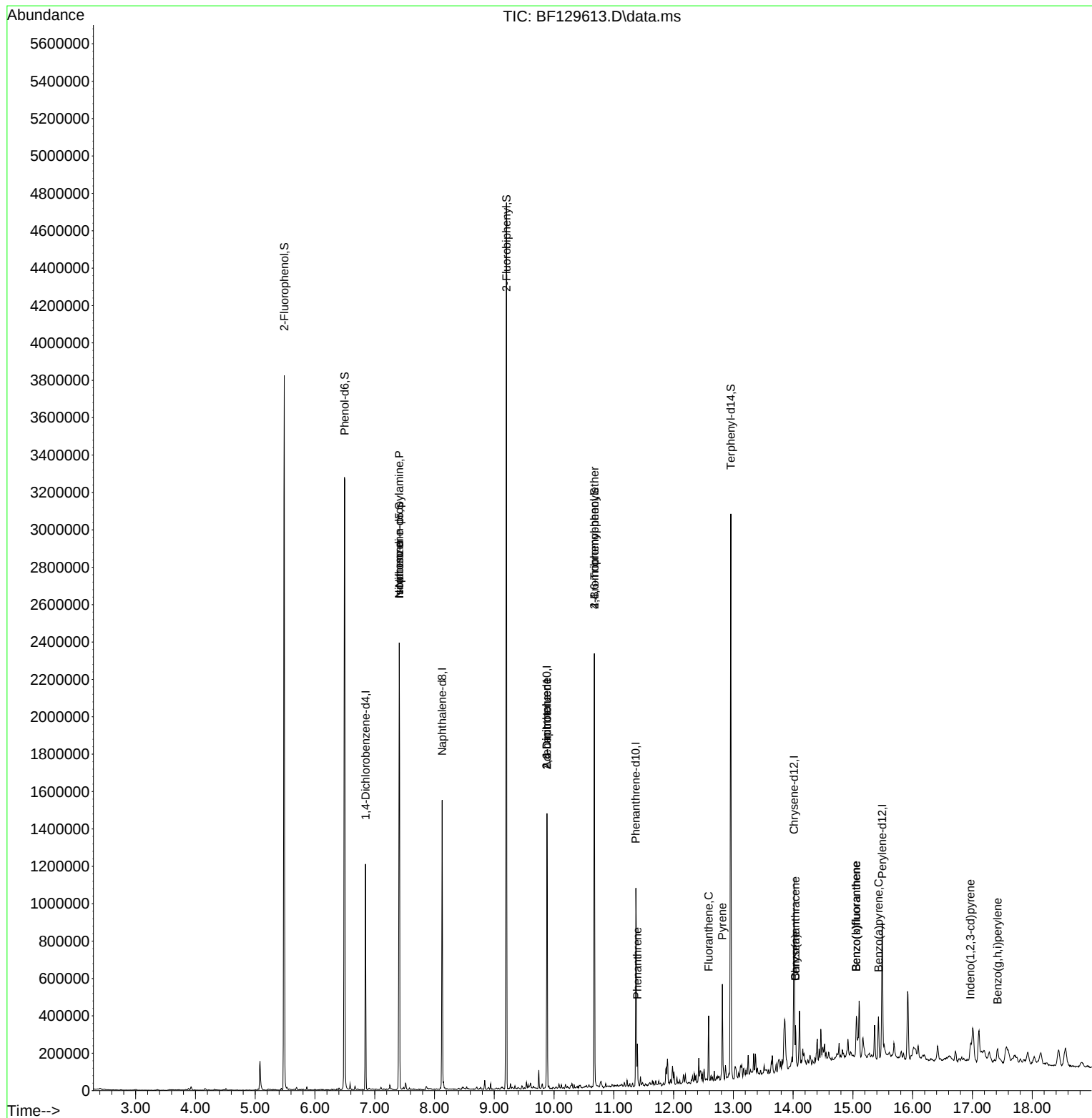
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 158913   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 602428   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 276465   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.369 | 188  | 363958   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 14.016 | 240  | 286491   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 291545   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1014391  | 103.984 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1246814  | 101.683 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 787262   | 71.337  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 240010   | 90.297  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1331959  | 74.529  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 957284   | 63.038  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 105825   | 14.256  | ng    | # 74     |
| 25) Isophorone                | 7.410  | 82   | 783657   | 39.615  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 36462    | 8.536   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 36462    | 6.534   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 15521    | 3.894   | ng    | # 1      |
| 71) Phenanthrene              | 11.392 | 178  | 73777    | 3.713   | ng    | 99       |
| 75) Fluoranthene              | 12.586 | 202  | 118682   | 5.896   | ng    | 100      |
| 78) Pyrene                    | 12.816 | 202  | 175206   | 7.313   | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 88991    | 4.547   | ng    | 94       |
| 83) Chrysene                  | 14.039 | 228  | 88991    | 4.825   | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 49003    | 2.496   | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 148619   | 7.685   | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 148619   | 7.842   | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 90657    | 5.775   | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 56695    | 3.472   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3961-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

Quant Time: Aug 08 02:03:14 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 05 16:27:34 2022  
Response via : Initial Calibration

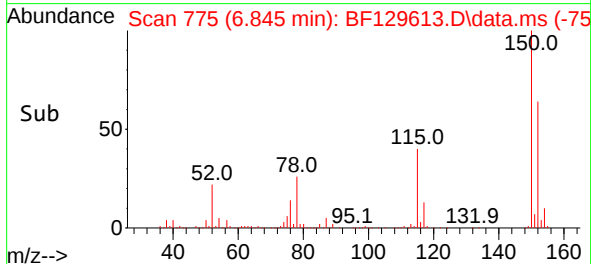
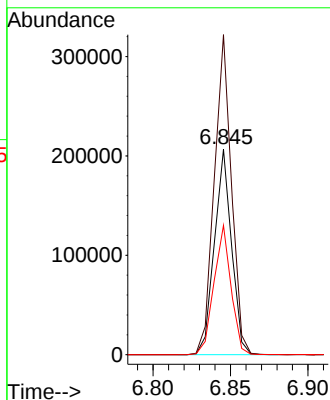
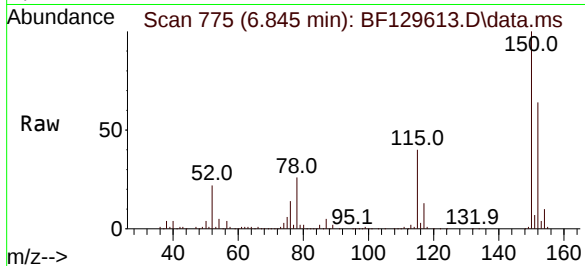




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF129613.D  
 Acq: 05 Aug 2022 22:24

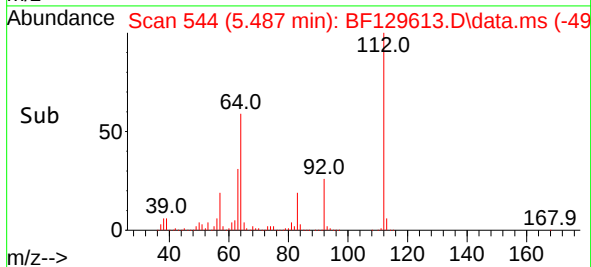
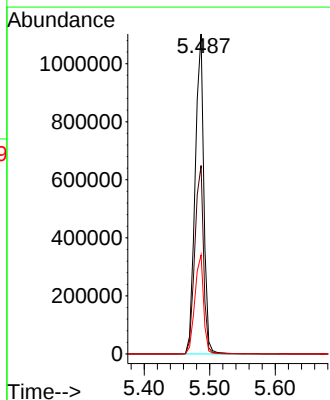
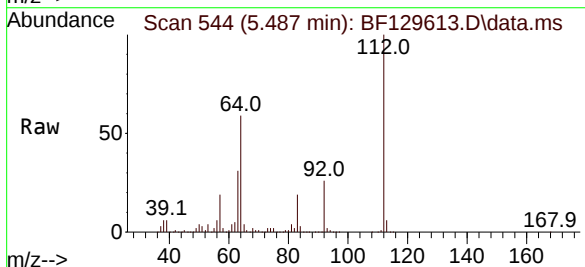
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-186

Tgt Ion:152 Resp: 158913  
 Ion Ratio Lower Upper  
 152 100  
 150 155.8 123.7 185.5  
 115 63.0 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 103.984 ng  
 RT: 5.487 min Scan# 544  
 Delta R.T. 0.006 min  
 Lab File: BF129613.D  
 Acq: 05 Aug 2022 22:24

Tgt Ion:112 Resp: 1014391  
 Ion Ratio Lower Upper  
 112 100  
 64 58.9 53.3 79.9  
 63 31.0 28.0 42.0



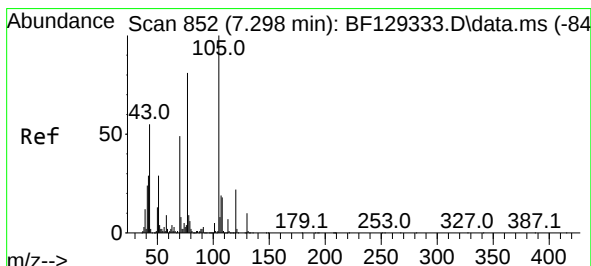
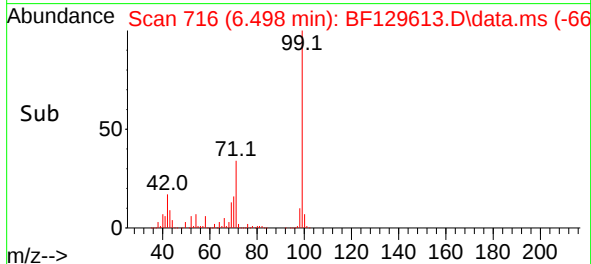
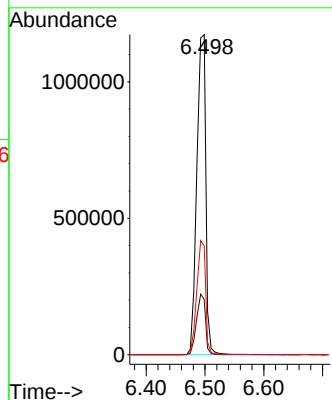
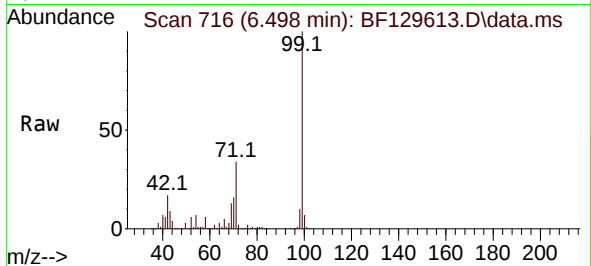


#7  
Phenol-d6  
Concen: 101.683 ng  
RT: 6.498 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

Tgt Ion: 99 Resp: 1246814

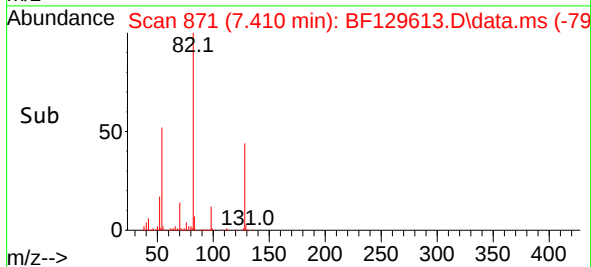
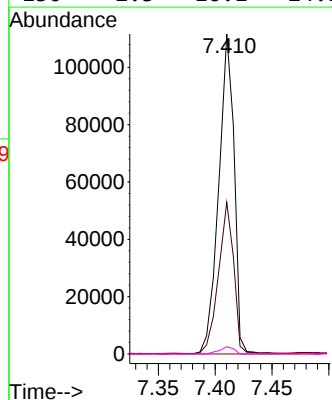
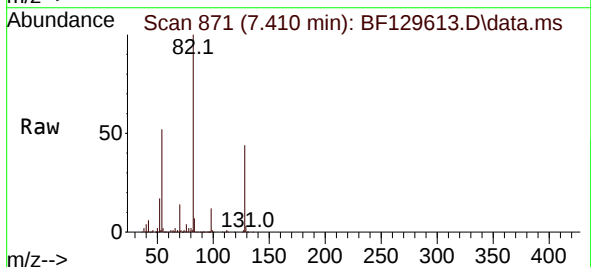
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.2  | 17.3  | 25.9# |
| 71  | 34.0  | 28.9  | 43.3  |

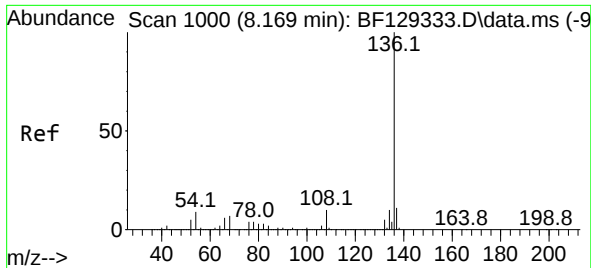


#19  
n-Nitroso-di-n-propylamine  
Concen: 14.256 ng  
RT: 7.410 min Scan# 871  
Delta R.T. 0.141 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion: 70 Resp: 105825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.5  | 52.3  | 78.5# |
| 101 | 0.0   | 7.5   | 11.3# |
| 130 | 2.3   | 16.1  | 24.1# |



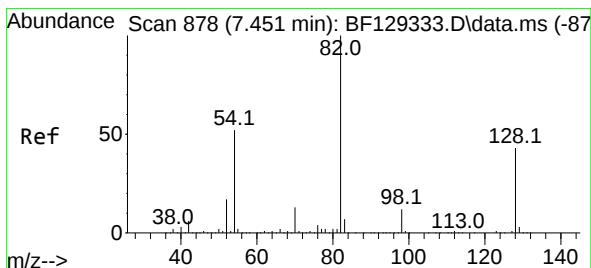
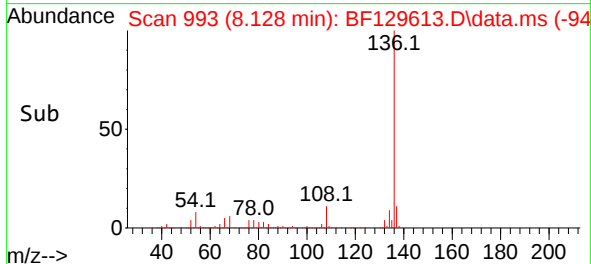
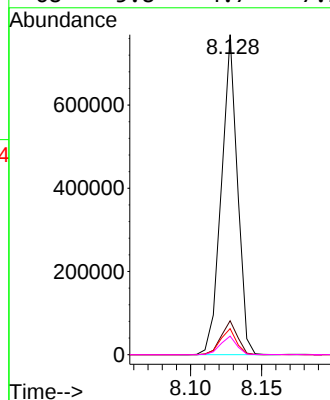
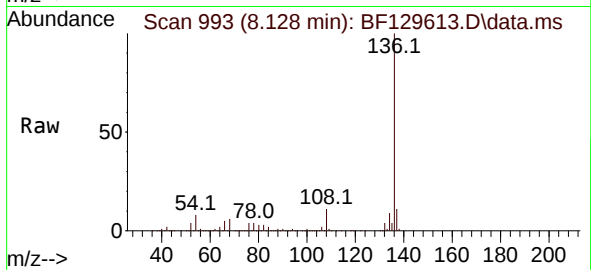


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

Tgt Ion:136 Resp: 602428

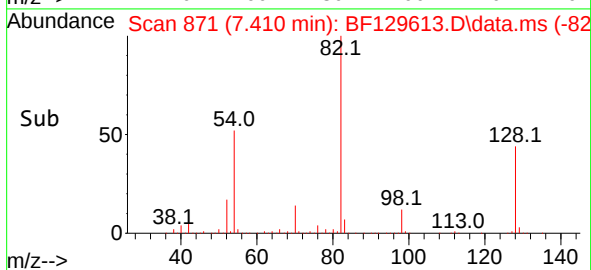
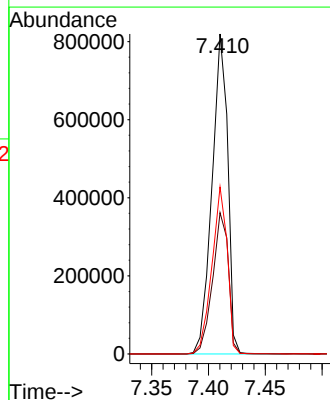
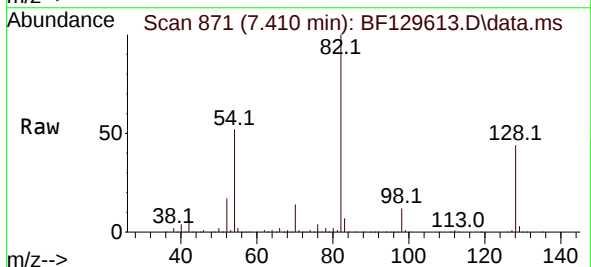
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.8   | 13.2  |
| 54  | 8.1   | 7.5   | 11.3  |
| 68  | 5.8   | 4.7   | 7.1   |



#23  
Nitrobenzene-d5  
Concen: 71.337 ng  
RT: 7.410 min Scan# 871  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion: 82 Resp: 787262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.2  | 34.0  | 51.0  |
| 54  | 52.2  | 46.9  | 70.3  |

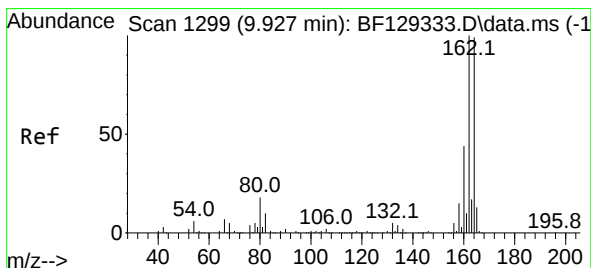
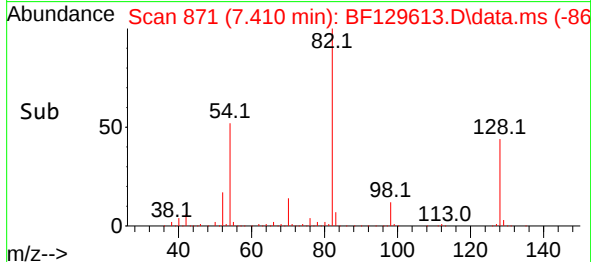
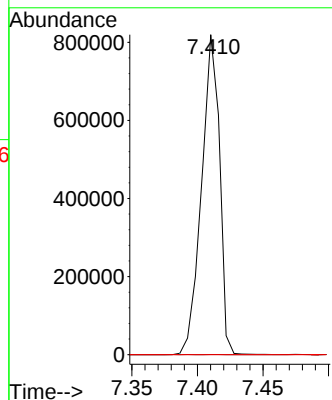
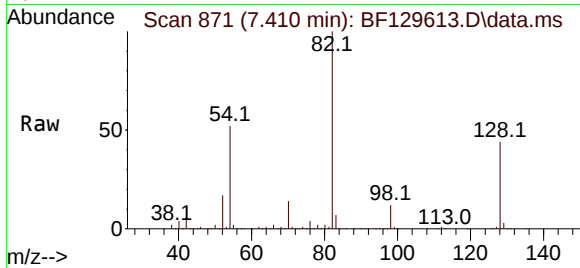




#25  
Isophorone  
Concen: 39.615 ng  
RT: 7.410 min Scan# 81  
Delta R.T. -0.271 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

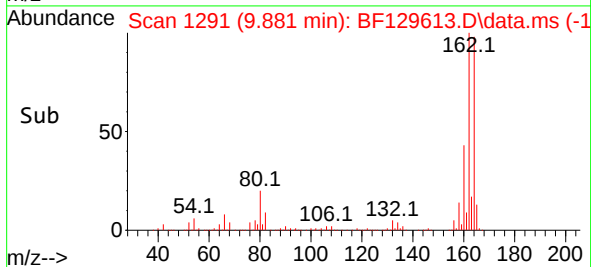
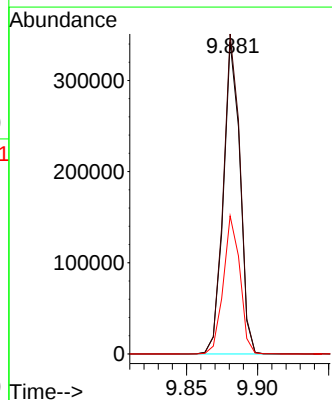
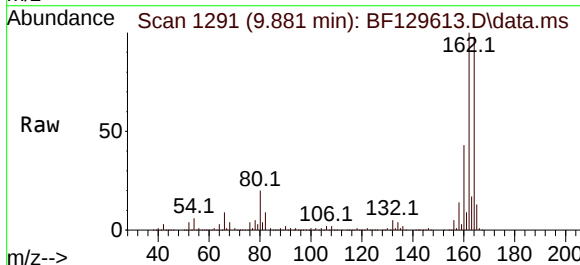
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

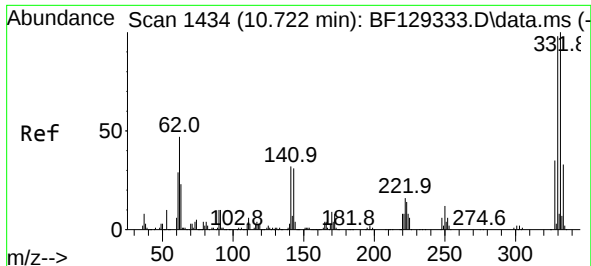
Tgt Ion: 82 Resp: 783657  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion:164 Resp: 276465  
Ion Ratio Lower Upper  
164 100  
162 102.5 79.5 119.3  
160 44.2 34.2 51.4

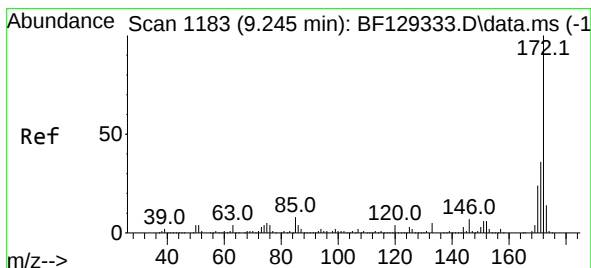
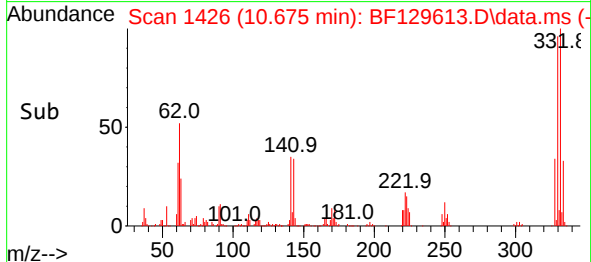
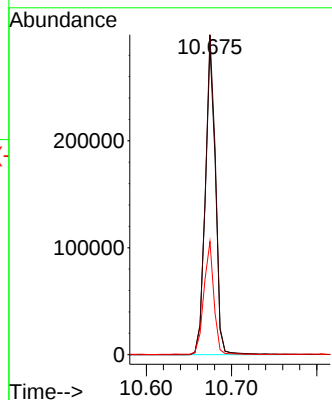
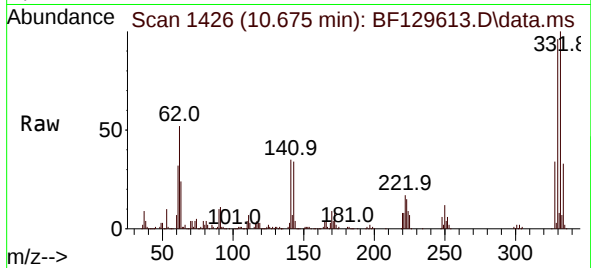




#42  
2,4,6-Tribromophenol  
Concen: 90.297 ng  
RT: 10.675 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

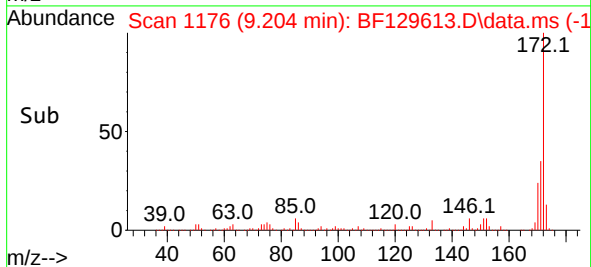
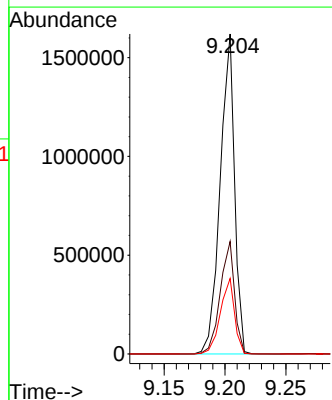
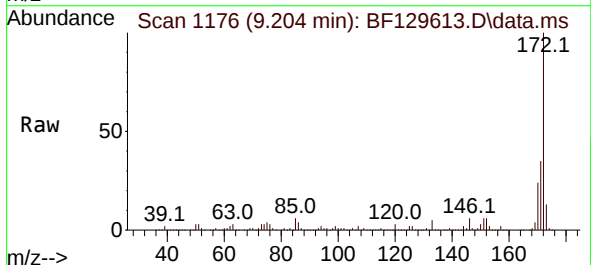
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

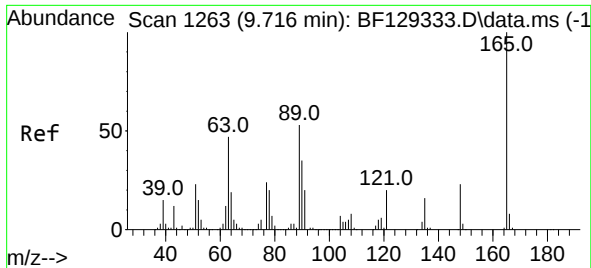
Tgt Ion:330 Resp: 240010  
Ion Ratio Lower Upper  
330 100  
332 103.3 76.8 115.2  
141 36.2 28.0 42.0



#45  
2-Fluorobiphenyl  
Concen: 74.529 ng  
RT: 9.204 min Scan# 1176  
Delta R.T. -0.006 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion:172 Resp: 1331959  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 23.6 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.536 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

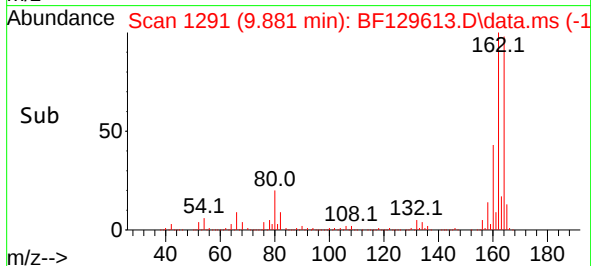
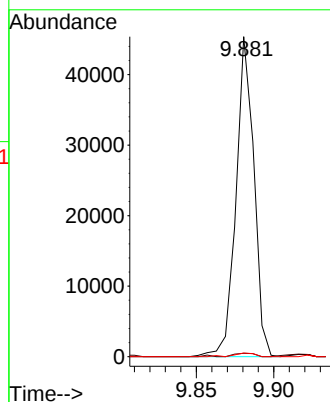
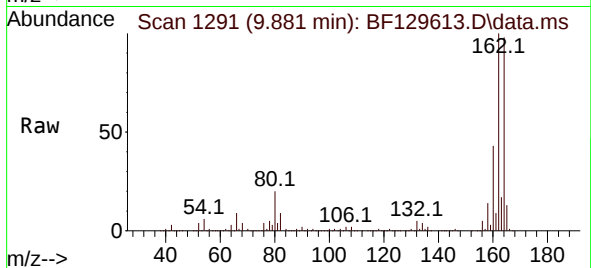
Tgt Ion:165 Resp: 36462

Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.534 ng

RT: 9.881 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Tgt Ion:165 Resp: 36462

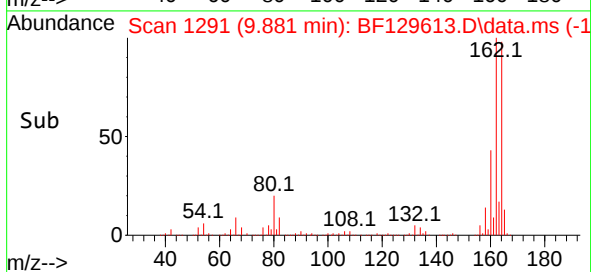
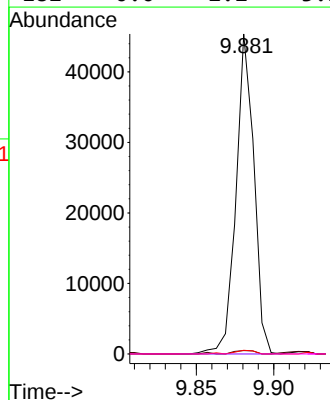
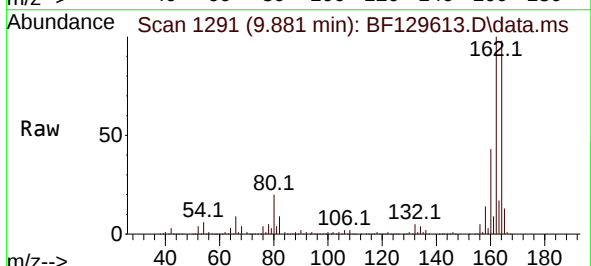
Ion Ratio Lower Upper

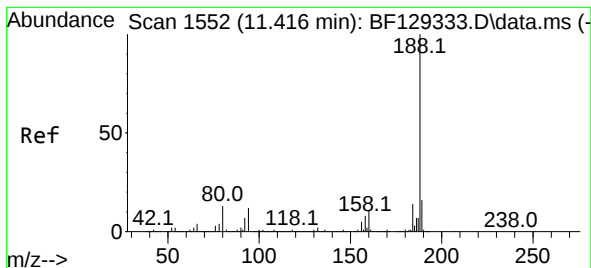
165 100

63 1.1 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

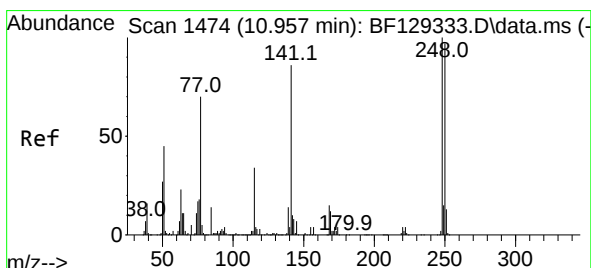
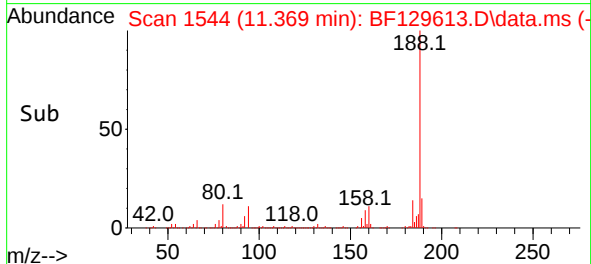
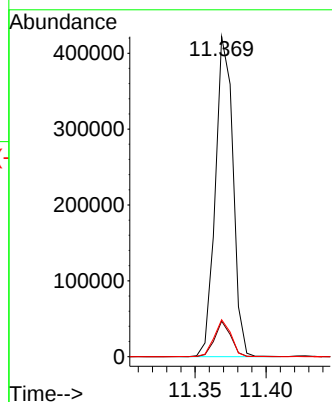
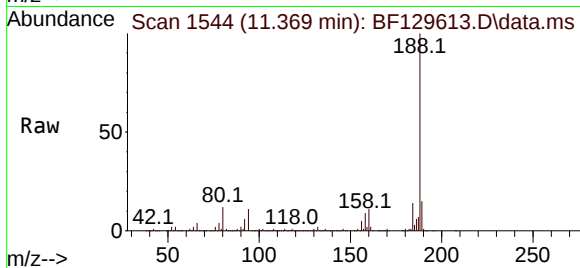
Tgt Ion:188 Resp: 363958

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.6 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.894 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

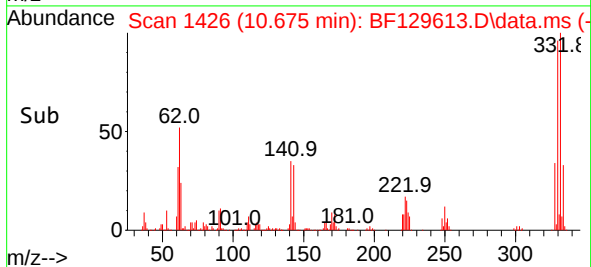
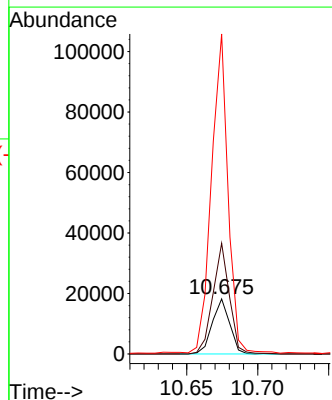
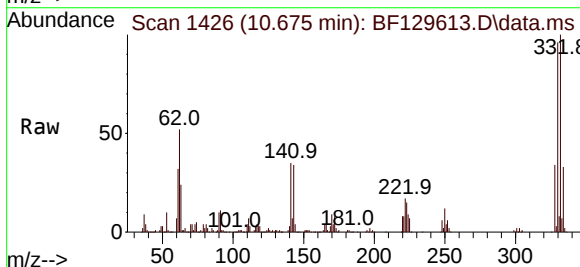
Tgt Ion:248 Resp: 15521

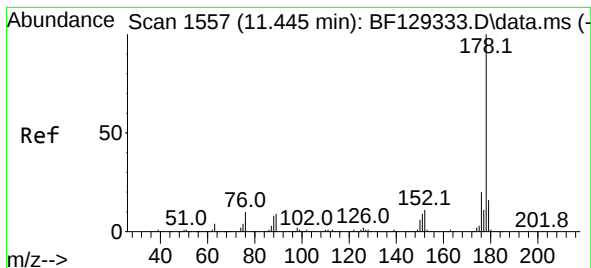
Ion Ratio Lower Upper

248 100

250 201.2 80.6 120.8#

141 581.6 58.9 88.3#





#71

Phenanthrene

Concen: 3.713 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

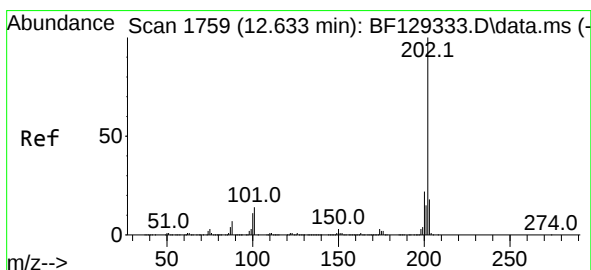
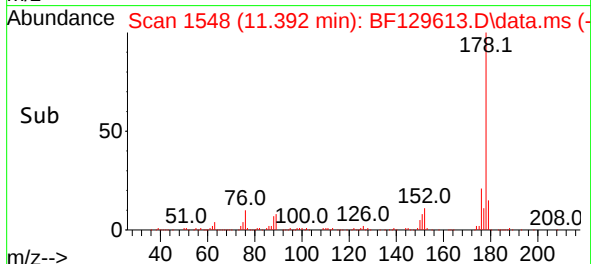
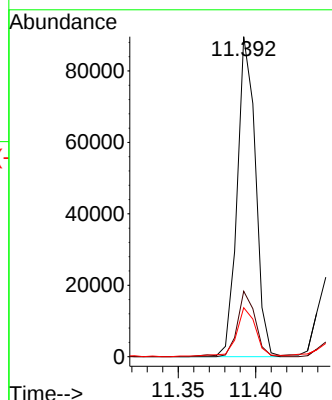
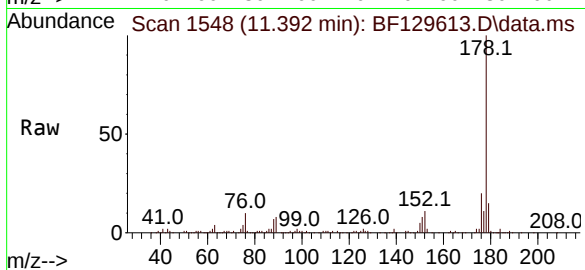
Tgt Ion:178 Resp: 73777

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

179 15.3 12.6 19.0



#75

Fluoranthene

Concen: 5.896 ng

RT: 12.586 min Scan# 1751

Delta R.T. -0.012 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

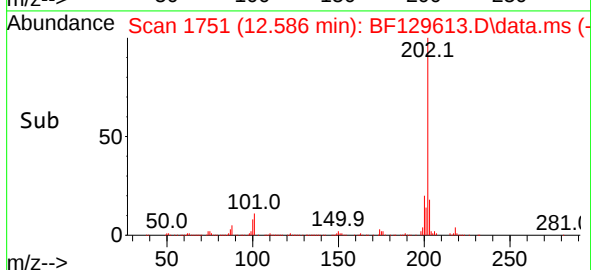
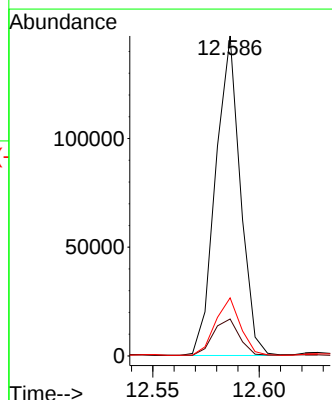
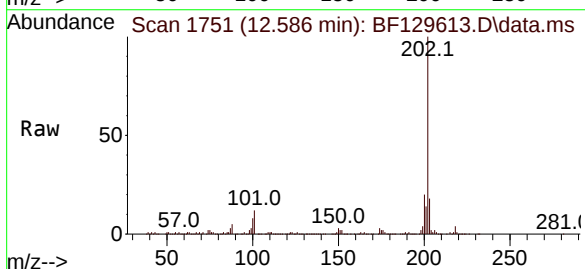
Tgt Ion:202 Resp: 118682

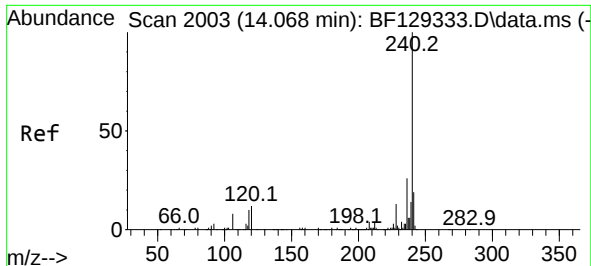
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 18.2 0.0 38.0

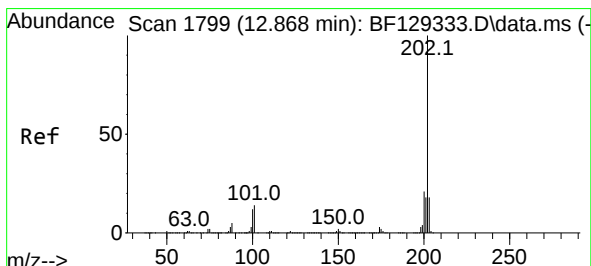
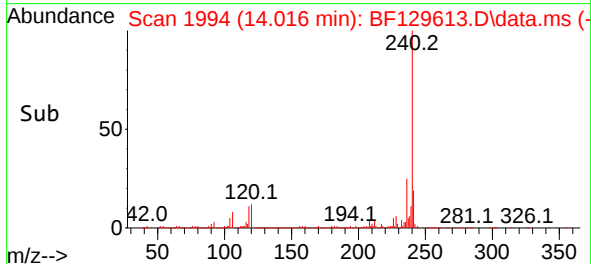
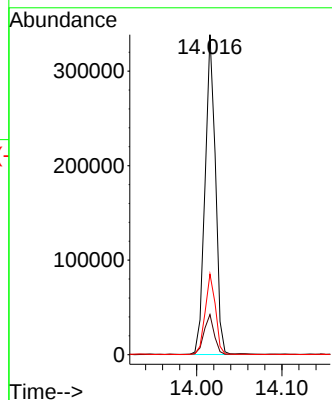
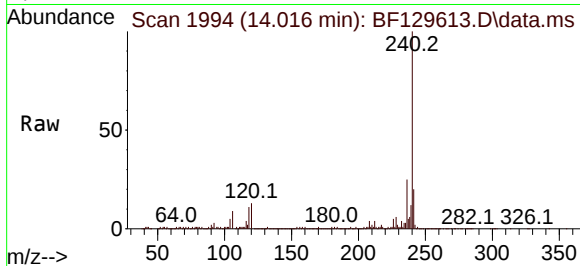




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

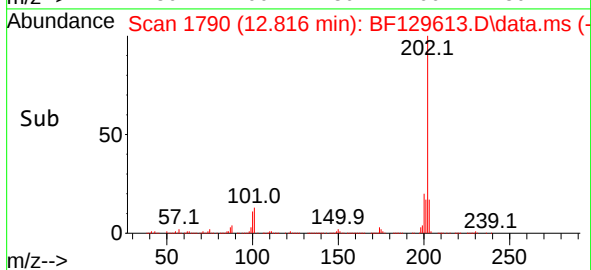
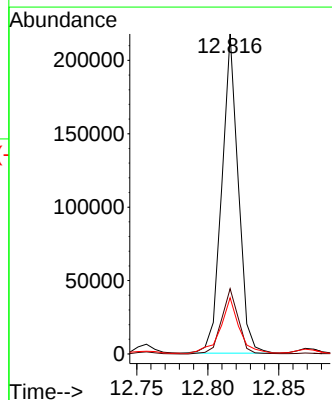
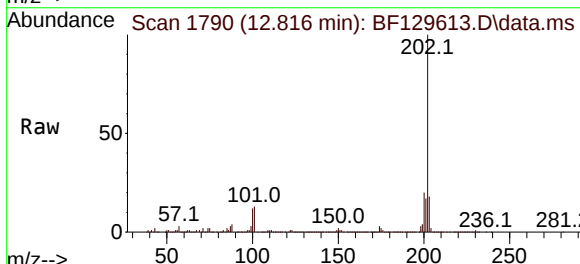
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

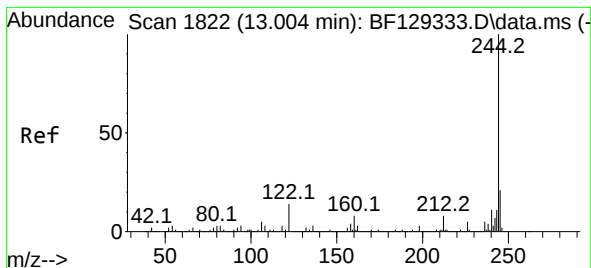
Tgt Ion:240 Resp: 286491  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.9 13.3  
236 25.2 20.8 31.2



#78  
Pyrene  
Concen: 7.313 ng  
RT: 12.816 min Scan# 1790  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion:202 Resp: 175206  
Ion Ratio Lower Upper  
202 100  
200 20.4 17.7 26.5  
203 17.5 14.6 21.8





#79

Terphenyl-d14

Concen: 63.038 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

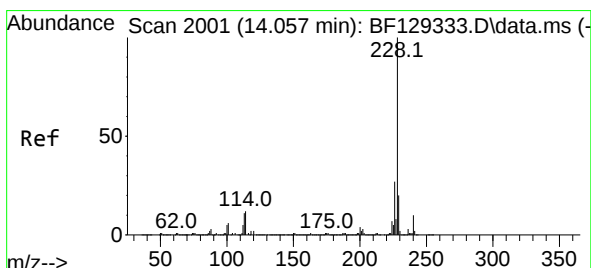
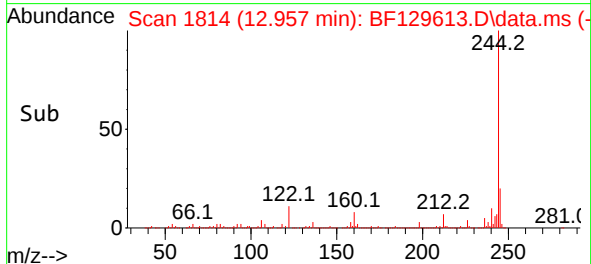
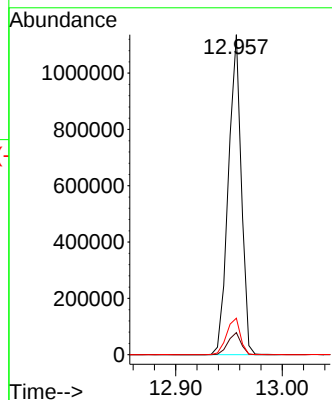
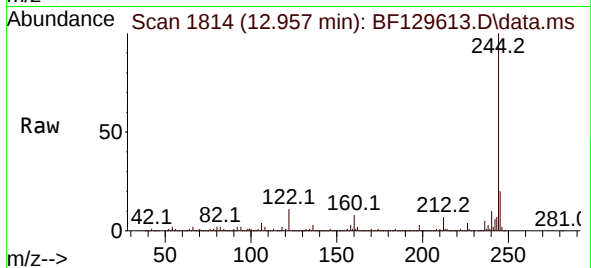
Tgt Ion:244 Resp: 957284

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 11.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 4.547 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.024 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

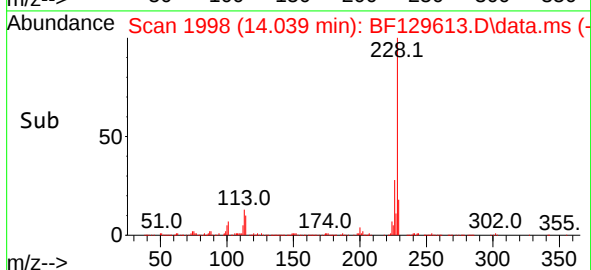
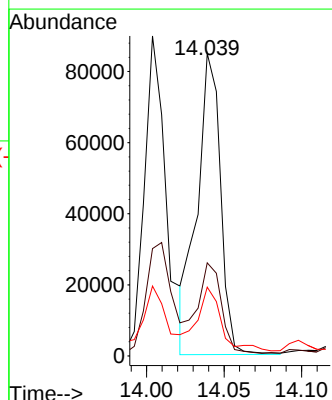
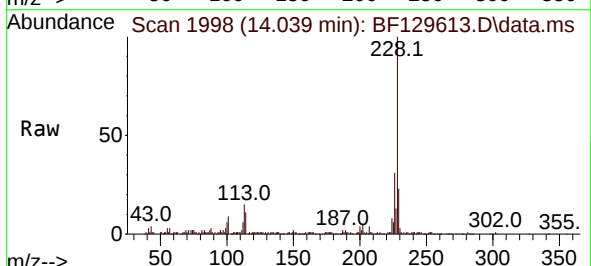
Tgt Ion:228 Resp: 88991

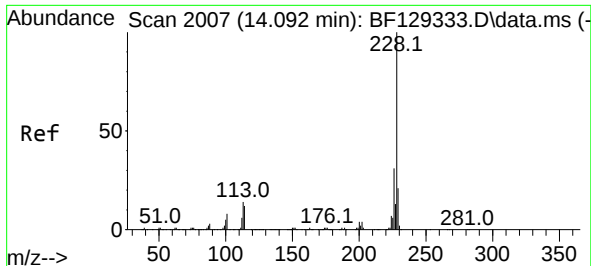
Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

229 22.7 15.8 23.8

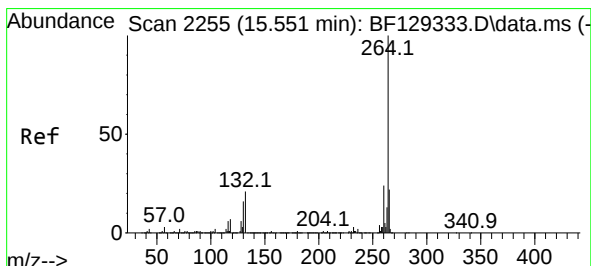
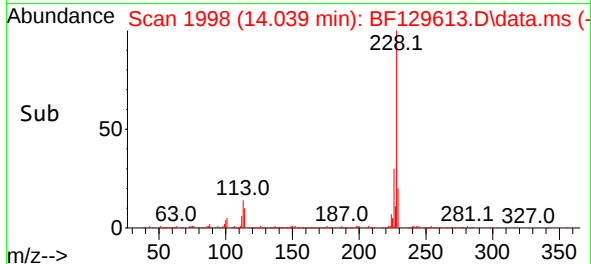
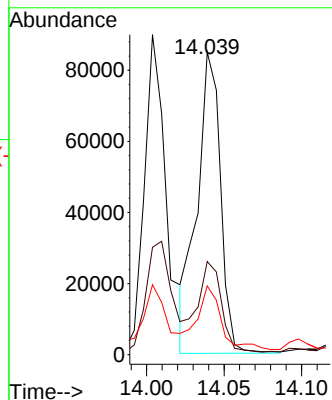
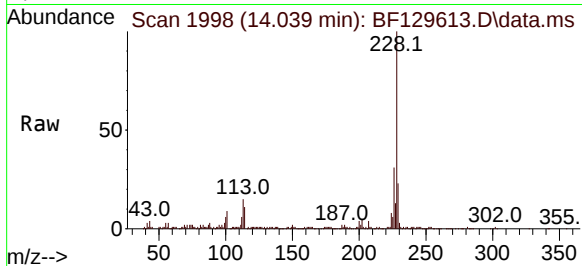




#83  
Chrysene  
Concen: 4.825 ng  
RT: 14.039 min Scan# 1998  
Delta R.T. -0.018 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

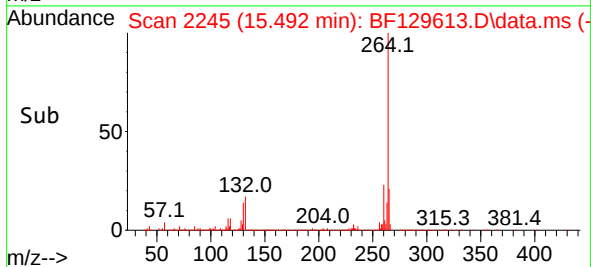
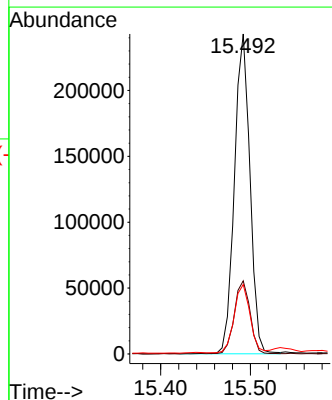
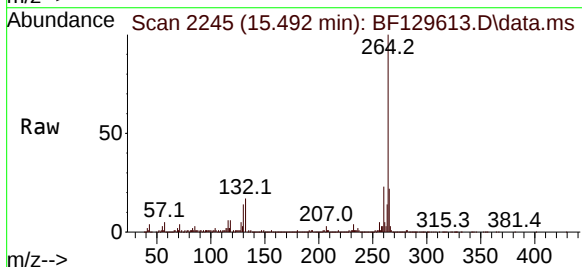
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-186

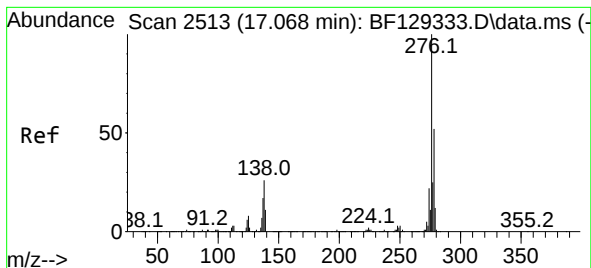
Tgt Ion:228 Resp: 88991  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.3 36.5  
229 22.7 15.9 23.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 2245  
Delta R.T. -0.012 min  
Lab File: BF129613.D  
Acq: 05 Aug 2022 22:24

Tgt Ion:264 Resp: 291545  
Ion Ratio Lower Upper  
264 100  
260 22.8 18.4 27.6  
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.496 ng

RT: 16.968 min Scan# 2496

Delta R.T. -0.029 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

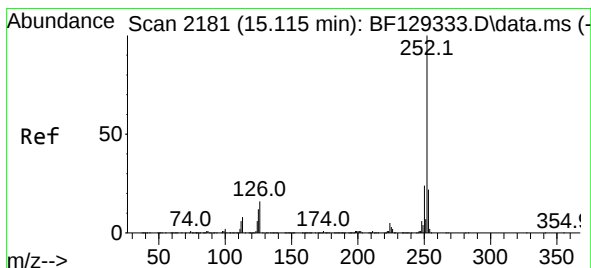
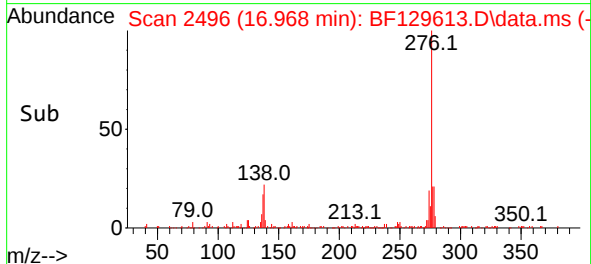
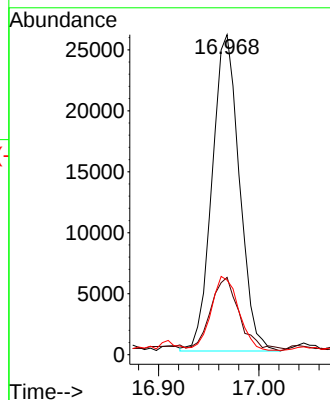
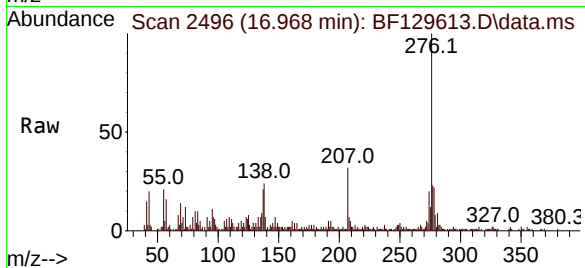
Tgt Ion:276 Resp: 49003

Ion Ratio Lower Upper

276 100

138 22.9 21.1 31.7

277 23.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.685 ng

RT: 15.057 min Scan# 2171

Delta R.T. -0.012 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

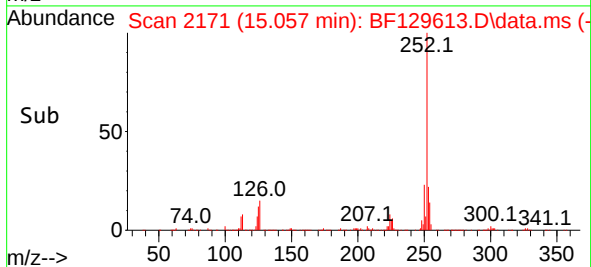
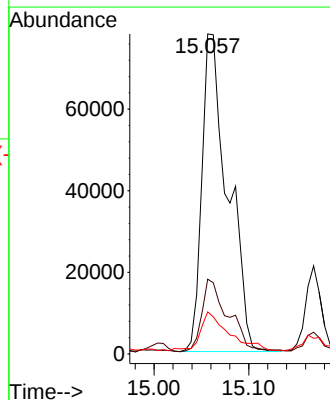
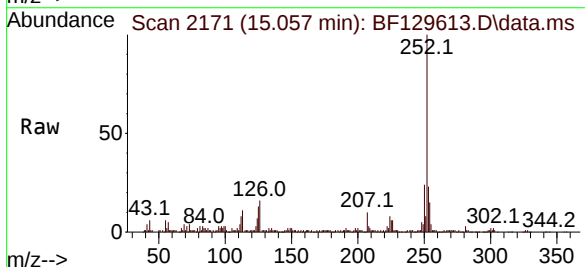
Tgt Ion:252 Resp: 148619

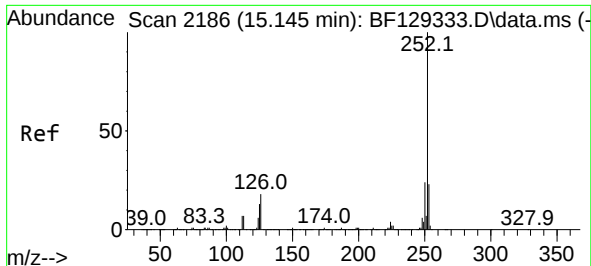
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 7.842 ng

RT: 15.057 min Scan# 2186

Delta R.T. -0.047 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186

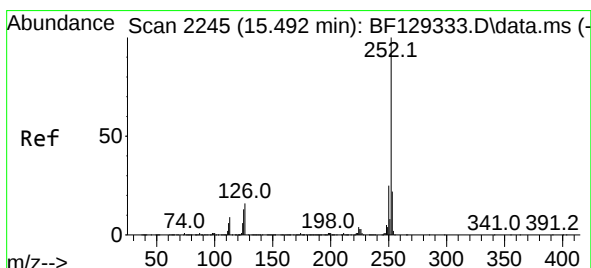
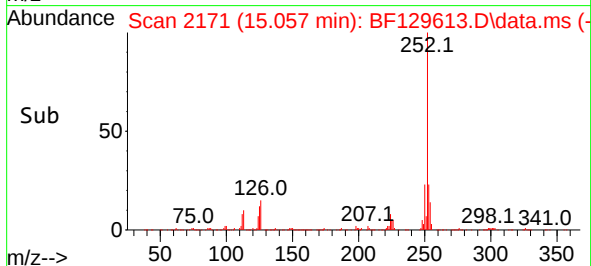
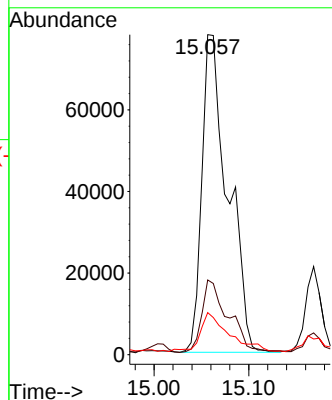
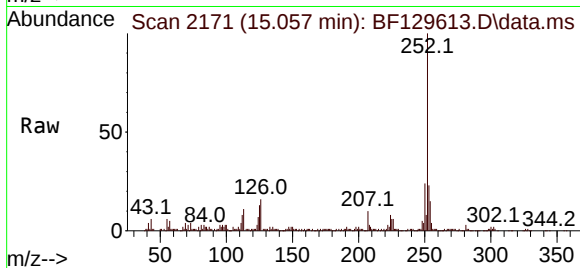
Tgt Ion:252 Resp: 148619

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 13.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 5.775 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

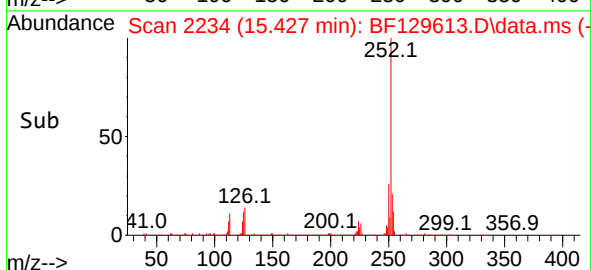
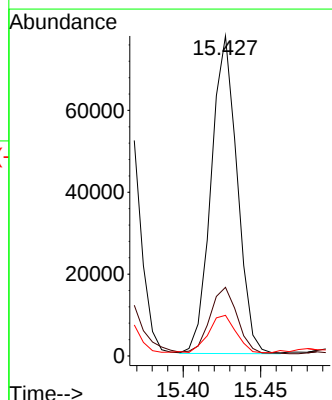
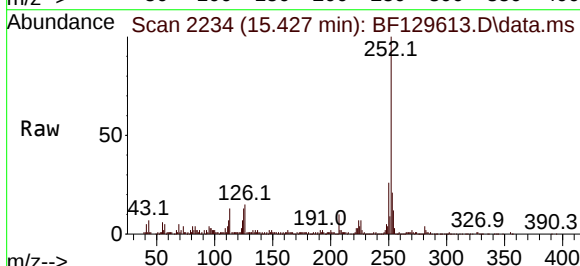
Tgt Ion:252 Resp: 90657

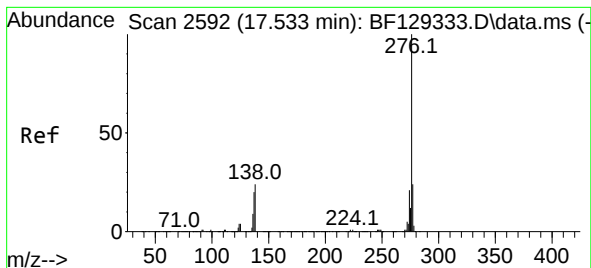
Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

125 12.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.472 ng

RT: 17.421 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF129613.D

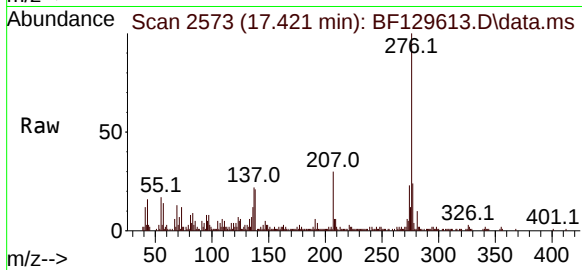
Acq: 05 Aug 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

RVE-186



Tgt Ion:276 Resp: 56695

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 21.1 18.0 27.0

